



I N S T R U C T I O N M A N U A L

# SD CARD & .ILD FILES

Creating a .prg control file for laser show playback

M A N U A L V E R S I O N 1 . 0

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For the latest instruction manual updates and information on the entire Kam range visit:

**[www.kam.co.uk](http://www.kam.co.uk)**

Kam products are manufactured by: **Lamba plc**, Unit 1, Southfields Road, Dunstable, Bedfordshire, United Kingdom LU6 3EJ

Telephone: (+44) (0)1582 690600 • Fax: (+44) (0)1582 690400 • Email: [mail@lambapl.com](mailto:mail@lambapl.com) • Web: [www.lambapl.com](http://www.lambapl.com)

If this product is ever no longer functional please take it to a recycling plant for environmentally friendly disposal.

Due to continuous product development, specifications and appearance are subject to change.

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**SD card format and SD mode control** The Laser is supplied with a micro SD card adapter and a 1GB micro SD card. The micro SD card can be removed from the adaptor.



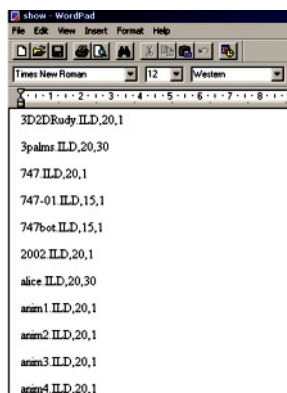
This laser system only supports FAT32 format. A new SD card should be formatted under FAT32. The internet has a number of free support pages on how to format a micro SD card. We suggest you simply search for “how to format micro SD card to fat32” in a search engine and follow the simple instructions. There are also some useful videos on YouTube that you could access. Simply search for “how to format micro SD card to fat32” in [www.youtube.com](http://www.youtube.com)

1. **Please Note** this system only supports short file names (and folder names), it can support no more than an eight character file name and a three character extension name. The file name and extension name can be composed using alphanumeric.
2. SD card supports a maximum of 100 folders. Each folder can save 255 files maximum. DO NOT use the SD card to store other documents.
3. In SD mode, the laser plays back .ild files. You are supplied with a number of free .ild files on the SD card provided and also you can download .ild files from the internet. You can also create .ild files in laser software such as the Kam LC01 laser editor program. Once you have saved your .ild files onto the SD card, the SD playback system will need a simple control program to regulate the order and playback speed of these files.
4. To create this control program, the user must create a .txt document to save and edit a program list. The extension for this file is .prg. This program list is made up of the .ild file names, the playback speed and the repeat times. Each of these parameters is separated by a comma (“,”). Users must only create one .ild program on each line. In a text editor, create a program list with the file name “show.prg”. This list will be made up of file1.ild, file2.ild and file3.ild. The playback speed of file1.ild will be 12k and will be repeated three times. The playback speed of file2.ild will be 20k playing once. The playback speed of file3.ild will be 18k and repeated four times. The content of show.prg should therefore be listed as:

```
File1.ild,12,3  
File2.ild,20,1  
File3.ild,18,4
```

When creating a new folder, users should build a .prg file with the same name as the folder the .ild files are stored in. In our example above, show.prg would be contained within a folder on the SD card called “show”. The user must list all .ild files under this folder to the .prg file. The edited playback speed represents the speed in “Key Seek” mode. For example, users can create an aurora.prg within a folder called aurora. When a user adds new .ild file to this folder, they should also add this .ild file to the .prg file. The user will find this .ild file under “Key Seek” mode, and can then set the playback speed.

5. A simple way to create and edit SD control programs is save a backup of the .prg file on your SD card on to your PC or laptop. Simply insert the SD card into your PC or laptop and copy and paste the .prg to a safe location on your computer. You can then drag and drop a new .ild file into the exciting folders and use a simple text edit program like notepad or WordPad or Word to edit the .prg list. When you open the .prg file in notepad, WordPad or Word it should like this:



Simply add your new .ild files to this list followed by file name, a motor playback speed (value 15-20) and finally a number of times to repeat. The order they sit in the list is the order that they will playback in. So ensure that each line of your list is in the correct running order. Simply click SAVE when finished and check that the file is still in .prg format. Don't forget that the edited .prg file must have the same name as the folder it is stored in. Once this is done you are ready to play back your files on the SD laser.

6. This system supports standard ILDA files with the extension name of .ild.